

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 4-20-01 are:

approved by the Draftsperson under 37 CFR 1.84 or 1.152.
 objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Black ink. Color. -	Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____
<input type="checkbox"/> Color drawings are not acceptable until patent is granted.	<input type="checkbox"/>
Fig(s) _____	Fig(s) _____
Pencil and non black ink not permitted. Fig(s) _____	Fig(s) _____
2. PHOTOGRAPHS. 37 CFR 1.84(b)	9. SCALE. 37 CFR 1.84(k)
<input type="checkbox"/> 1 full-tone set is required. Fig(s) _____	Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
<input type="checkbox"/> Photographs may not be mounted. 37 CFR 1.84(e)	Fig(s) _____
<input type="checkbox"/> Poor quality (half-tone). Fig(s) _____	Fig(s) _____
3. TYPE OF PAPER. 37 CFR 1.84(e)	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i)
<input type="checkbox"/> Paper not flexible, strong, white, and durable.	Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).
Fig(s) _____	Fig(s) _____
<input type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____	Fig(s) _____
<input type="checkbox"/> Mylar, velum paper is not acceptable (too thin). Fig(s) _____	Fig(s) _____
4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	11. SHADING. 37 CFR 1.84(m)
<input type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4)	Solid black areas pale. Fig(s) _____
<input type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2 x 11 inches)	<input type="checkbox"/> Solid black shading not permitted. Fig(s) _____
<input type="checkbox"/> All drawing sheets not the same size.	<input type="checkbox"/> Shade lines pale, rough and blurred. Fig(s) _____
Sheet(s): _____	Fig(s) _____
<input type="checkbox"/> Drawings sheets not an acceptable size. Fig(s) _____	Fig(s) _____
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm	Numbers and reference characters not plain and legible.
SIZE: A4 Size	Fig(s) _____
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	Figure legends are poor. Fig(s) <u>1</u>
SIZE: 8 1/2 x 11	Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
Margins not acceptable. Fig(s) _____	Fig(s) _____
<input type="checkbox"/> Top (T) <input type="checkbox"/> Left (L)	English alphabet not used. 37 CFR 1.84(p)(2)
<input type="checkbox"/> Right (R) <input type="checkbox"/> Bottom (B)	Fig(s) _____
6. VIEWS. 37 CFR 1.84(h)	Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
REMINDER: Specification may require revision to correspond to drawing changes.	Fig(s) _____
Partial views. 37 CFR 1.84(h)(2)	13. LEAD LINES. 37 CFR 1.84(q)
<input type="checkbox"/> Brackets needed to show figure as one entity.	Lead lines cross each other. Fig(s) _____
Fig(s) _____	Lead lines missing. Fig(s) _____
<input type="checkbox"/> Views not labeled separately or properly.	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(l)
Fig(s) _____	Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____
<input type="checkbox"/> Enlarged view not labeled separately or properly.	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Fig(s) _____	Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)	16. CORRECTIONS. 37 CFR 1.84(w)
<input type="checkbox"/> Hatching not indicated for sectional portions of an object.	Corrections not made from prior PTO-948 dated _____
Fig(s) _____	17. DESIGN DRAWINGS. 37 CFR 1.152
<input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____	Surface shading shown not appropriate. Fig(s) _____
	<input type="checkbox"/> Solid black shading not used for color contrast.
	Fig(s) _____

COMMENTS *Remove TABLE 1*

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REVIEWER J. CHAD DATE 1-4-02 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. _____

REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig. 1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Drawings - 37 CFR 1.85

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

2. Timing for Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37).

Failure to take corrective action within set period will result in ABANDONMENT of the Application.

3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than defects noted by the Drawing Review Branch, MUST be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.

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Attachment for PTO-948 (Rev. 03/01, or earlier)

6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities – 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.